

What is claimed is:

1. A pneumatic radial tire production method comprising the steps of:
  - forming a primary green tire including carcass layer;
  - forming a cylindrical belt tread assembly including belt layers;
  - transferring the belt tread assembly to the outer peripheral side of the primary green tire by use of a transfer apparatus; and
  - pressure-bonding the belt tread assembly to the primary green tire inflated in a toroidal shape,

wherein the primary green tire and the belt tread assembly are pressure-bonded to each other in a state where the transfer apparatus allows a center portion of the belt tread assembly to swell while holding both sides of the belt tread assembly.
2. The pneumatic radial tire production method according to claim 1, wherein the transfer apparatus includes a plurality of holding members which hold the belt tread assembly from an outer peripheral side, and has a structure in which such curvature as to reduce an inside diameter toward outside in a width direction of the belt tread assembly is given to holding surfaces of the respective holding members.
3. The pneumatic radial tire production method according to claim 2, wherein braces are provided on the holding surfaces of the respective holding members.
4. The pneumatic radial tire production method according to claim 1, wherein the transfer apparatus includes a plurality of holding members which hold the belt tread assembly from an outer peripheral side, and has a structure in which holding surfaces of the respective holding members are

divided in a width direction of the belt tread assembly.

5. The pneumatic radial tire production method according to claim 4, wherein a width of each of the divided holding surfaces of each holding member is set to 5 to 30% of a width of the innermost laminated belt layer.

6. A belt tread assembly transfer apparatus for transferring a belt tread assembly, comprising:

a plurality of holding members for holding the belt tread assembly from an outer peripheral side,

wherein such curvature as to reduce an inside diameter toward outside in a width direction of the belt tread assembly is given to holding surfaces of the respective holding members.

7. The belt tread assembly transfer apparatus according to claim 6, wherein braces are provided on the holding surfaces of the respective holding members.

8. A belt tread assembly transfer apparatus for transferring a belt tread assembly, comprising:

a plurality of holding members for holding the belt tread assembly from an outer peripheral side,

wherein holding surfaces of the respective holding members are divided in a width direction of the belt tread assembly.

9. The belt tread assembly transfer apparatus according to claim 8, wherein a width of each of the divided holding surfaces of each holding member is set to 5 to 30% of a width of the innermost laminated belt layer.